

Amendments to the Specification

Please replace the original paragraph [0043] with the following amended paragraph:

[0043] In contrast, the present invention downloads operational firmware stored in a host
5 computer and stores and executes the downloaded operational firmware in volatile
memory, substantially reducing the required size of non-volatile memory in an optical
disk drive that is an electronic device and saving manufacturing costs. The non-volatile
memory in the optical disc drive may be completely eliminated if initialization data
required to initialize the optical disc drive is additionally stored in the host computer,
10 further reducing costs. Another benefit of downloading the operational firmware is that
specialized update programs are no longer necessary, further reducing costs. A simple and
inexpensive interface unit, which may be hardwired or a macro, is utilized to download
from the host and place into existing RAM the optical disc drive's operational firmware.
The optical disc drive's microprocessor executes the operational firmware while it is
15 stored in the volatile memory to control normal operations of the optical disc drive. As
such, the present invention can reduce the size of, or eliminate the need of expensive
non-volatile storage of firmware in the optical disc drive, substantially reducing
manufacturing costs.